

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050300

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/08 H04B7/06 H04L27/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 528 581 A (DE BOT ET AL) 18 June 1996 (1996-06-18) cited in the application abstract figure 5 column 1, line 5 - line 9 column 1, line 36 - line 42 column 2, line 10 - line 29 column 3, line 19 - line 30 column 3, line 65 - column 4, line 55 -----	1,3,5,7, 9-12 2,4,6,8
X A	EP 1 249 980 A (NIPPON TELEGRAPH AND TELEPHONE CORPORATION) 16 October 2002 (2002-10-16) abstract paragraphs '0187! - '0203! figures 10,11 ----- -/--	1,3,5,7, 9-12 2,4,6,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

28 April 2005

Date of mailing of the international search report

06/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lustrini, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 1 047 209 A (INTERUNIVERSITAIR MICRO-ELEKTRONICA CENTRUM VZW) 25 October 2000 (2000-10-25) abstract paragraphs '0049! - '0053! figures 1,2 -----	1,3,5,7, 9-12 2,4,6,8

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/JP2005/050300

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5528581	A	18-06-1996	DE 69327837 D1	16-03-2000
			DE 69327837 T2	12-10-2000
			EP 0600547 A1	08-06-1994
			FI 935355 A	02-06-1994
			JP 3582845 B2	27-10-2004
			JP 6232793 A	19-08-1994
EP 1249980	A	16-10-2002	JP 3631698 B2	23-03-2005
			JP 2002374224 A	26-12-2002
			JP 3590008 B2	17-11-2004
			JP 2003060604 A	28-02-2003
			JP 2003124907 A	25-04-2003
			CA 2380977 A1	09-10-2002
			CN 1380778 A	20-11-2002
			EP 1249980 A2	16-10-2002
			US 2002191535 A1	19-12-2002
EP 1047209	A	25-10-2000	EP 1075093 A1	07-02-2001
			EP 1047209 A1	25-10-2000
			JP 2000358014 A	26-12-2000